

## Patent Claims

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1. Optical compensator for liquid crystal displays comprising
    - at least one O plate retarder,
    - at least one diacetyl cellulose (DAC) film having the optical properties of a negative C plate.
  2. Optical compensator according to claim 1, characterized in that the average tilt angle  $\theta_{ave}$  in said O plate retarder is from 2 to 88°.
  3. Optical compensator according to at least one of claims 1 and 2, characterized in that the tilt angle in said O plate retarder varies monotonously in a direction perpendicular to the plane of the film from a minimum value  $\theta_{min}$  at one surface of the film to a maximum value  $\theta_{max}$  at the opposite surface of the film.
  4. Optical compensator according to claim 3, characterized in that  $\theta_{min}$  is from 0 to 80°.
  5. Optical compensator according to claim 3 or 4, characterized in that  $\theta_{max}$  is from 10 to 90°.
  6. Optical compensator according to at least one of claims 1 to 5, characterized in that the thickness of said O plate is from 0.1 to 10  $\mu\text{m}$ .
  7. Optical compensator according to at least one of claims 1 to 6, characterized in that the optical retardation of said O plate is from 6 to 300 nm.
  8. Optical compensator according to at least one of claims 1 to 7, characterized in that the thickness of said DAC film is from 20 to 200  $\mu\text{m}$ .

